#3 04/02/01

RAW SEQUENCE LISTING

DATE: 03/26/2001

PATENT APPLICATION: US/09/714,936

TIME: 11:51:33

Input Set : D:\PT_FL.797.111000

Output Set: N:\CRF3\03262001\I714936.raw

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      8
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     9
              Liu, Chenghua
     10
              Asundi, Vinod
              Ren, Feiyan
     11
     12
              Zhang, Jie
              Zhao, Qing A.
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              Xue, Aidong J.
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             Yang, Yonghong
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             Wehrman, Tom
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211	Hls	Hls		GIN	туг	rne	Pro		Asn	val	тте	Pro	~	GIN	Asp	ьeu	
212	a++		490	L				495				A	500		~ - +		2220
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275		-	Asp			•	-				_				-	_	
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349	Pro	val	Ser	His		гаг	Pro	GLU	ата		GIN	Tyr	туr	GIU	Asp	СТА	
350					190					195					200		
_																	

Please Note:

Use of n and/or Xaa hav been d t cted in the Sequence Listing. Please review the Sequence Listing to ensure that a c rresponding explanation is presented in the <220> to <223> fields feach sequence which presents at least one n or Xaa.



 VERIFICATION SUMMARY
 DATE: 03/26/2001

 PATENT APPLICATION: US/09/714,936
 TIME: 11:51:34

Input Set : D:\PT_FL.797.111000

Output Set: N:\CRF3\03262001\I714936.raw

```
L:27 M:270 C: Current Application Number differs, Replaced Current Application Number
L:374 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:531 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:934 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:6
L:1195 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:7
L:1625 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:9
L:2054 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:12
L:2961 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:4323 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:30
L:5723 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:37
L:6638 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:42
L:6988 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:6990 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:6992 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:6994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:6996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:7550 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:49
L:7797 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
L:7937 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:52
L:8080 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
L:8708 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:57
L:9741 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:64
L:9940 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:65
L:10070 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:67
L:10249 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:70
L:10518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 L:10520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 L:10522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:10595 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:74
L:11158 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:78
L:11742 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:80
L:11970 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:82
L:12662 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:88
L:12983 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:89
L:13007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:13045 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:90
L:13482 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:95
L:15582 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:111
L:15925 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:115
L:15980 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:116
L:16328 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:118
L:16823 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:121
L:16951 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:122
L:16979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:123
L:17170 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:124
L:17793 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:129
L:18475 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:138
L:18541 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:139
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 VERIFICATION SUMMARY
 DATE: 03/26/2001

 PATENT APPLICATION: US/09/714,936
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Input Set : D:\PT_FL.797.111000

Output Set: N:\CRF3\03262001\I714936.raw

```
L:18838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141
L:18982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142
L:19191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144
L:19230 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:145
L:19387 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:147
L:19954 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:152
L:20161 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:153
L:20268 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:154
L:20438 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:156
L:20545 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:157
L:20870 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:160
L:21036 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:162
L:21109 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:163
L:21230 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:164
L:21390 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:166
L:21962 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:168
L:22720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176
L:22892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178
L:26259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207
L:26857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212
L:30137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 L:32576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:260 L:33279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:269 L:33708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275
L:34295 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:281
L:38209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326
L:38553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:331
L:38914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335
L:38916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335
L:38918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:335
L:40136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:349
L:40710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:356
\rm L\!:\!40714~M\!:\!341~W\!: (46) "n" or "Xaa" used, for SEQ ID#:356
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